

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0019	Overall LMA Rating	Total LMA Miles						
Tehama County Flood Control and Water Conservation District	M	13.97						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.40		1.40	10.02%	0.06			
Encroachments	0.07		0.07	0.50%	0.51	0.01		
Animal Control	0.04		0.04	0.29%				
Slope Stability	0.36		0.36	2.58%				
Erosion / Bank Caving	0.04		0.04	0.29%				
<i>Supplemental</i>								
USACE Erosion Survey	0.16		0.16	1.15%				
DWR UCIP Field Study					0.20	0.03		
<i>LMA Totals:</i>	2.07	0.00	2.07	14.82%	0.77	0.04	0.00	0.00

Unit No. 01 Deer Creek LB	Overall Unit Rating	Total Unit Miles						
NA0019	U	4.22						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.73		0.73	17.28%				
Encroachments	0.01		0.01	0.24%	0.24	0.01		
Animal Control	0.01		0.01	0.24%				
Slope Stability	0.16		0.16	3.79%				
Erosion / Bank Caving	0.03		0.03	0.71%				
<i>Supplemental</i>								
USACE Erosion Survey	0.02		0.02	0.47%				
DWR UCIP Field Study					0.12	0.03		
<i>Unit Totals:</i>	0.96	0.00	0.96	22.73%	0.36	0.04	0.00	0.00

Unit No. 02 Deer Creek RB	Overall Unit Rating	Total Unit Miles						
NA0019	A	1.89						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments	0.03		0.03	1.59%	0.02			
<i>Supplemental</i>								
USACE Erosion Survey	0.05		0.05	2.65%				
DWR UCIP Field Study					0.02			
<i>Unit Totals:</i>	0.08	0.00	0.08	4.24%	0.04	0.00	0.00	0.00

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Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin (cont.)

Unit No. 04 Elder Creek LB		Overall Unit Rating	Total Unit Miles						
NA0019		A	3.98						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.05		0.05	1.26%					
Encroachments	0.03		0.03	0.75%	0.24				
Slope Stability	0.20		0.20	5.02%					
<i>Supplemental</i>									
USACE Erosion Survey	0.07		0.07	1.76%					
DWR UCIP Field Study					0.03				
<i>Unit Totals:</i>	0.35	0.00	0.35	8.79%	0.27	0.00	0.00	0.00	

Unit No. 05 Elder Creek RB		Overall Unit Rating	Total Unit Miles						
NA0019		M	3.87						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.62		0.62	16.01%	0.06				
Encroachments					0.01				
Animal Control	0.03		0.03	0.78%					
Erosion / Bank Caving	0.01		0.01	0.26%					
<i>Supplemental</i>									
USACE Erosion Survey	0.02		0.02	0.52%					
DWR UCIP Field Study					0.03				
<i>Unit Totals:</i>	0.68	0.00	0.68	17.56%	0.10	0.00	0.00	0.00	

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2014 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 01 Deer Creek			Left	4.22
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	03/26/2014 - 03/26/2014		11/24/2014 - 11/24/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Brandon Konicke Tehama County		Brandon Konicke Tehama County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	11/24/2014 11/24/2014	Bob Duffey

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	
				°	
DWR ID	DWR_NA0019_01_s_2013_12				
Action/Comments					
Inspector Comments: The LMA has O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	
				°	
DWR ID	DWR_NA0019_01_s_2013_13				
Action/Comments					
Inspector Comments: The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	
				°	
DWR ID	DWR_NA0019_01_s_2013_14				
Action/Comments					
Inspector Comments: The LMA completed flood fight training in 2014.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	11/24/2014 11/24/2014	Bob Duffey

LM Start	0.02	Rating **	M	Issue No.	17
LM End	0.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.973111 °	39.973111 °
				-121.980466 °	-121.980466 °
DWR ID	DWR_NA0019_01_s_2013_17				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : FA_2014_NA0019_78_17_20141013_00009.jpg



View of the erosion along the landside slope.

LM Start	0.03	Rating **	U	Issue No.	275
LM End	0.03	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.973128 °	39.973128 °
				-121.980734 °	-121.980734 °
DWR ID	DWR_NA0019_01_s_2014_275				
Action/Comments					
Pipe					

Photo 1 of 1 : FA_2014_NA0019_78_275_20141013_00014.jpg



View of the irrigation pipe along the waterside slope.

LM Start	0.18	Rating **	M	Issue No.	22
LM End	0.18	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.973302 °	39.973302 °
				-121.983538 °	-121.983538 °
DWR ID	DWR_NA0019_01_f_2014_22				
Action/Comments					
Inspector Comments: FS_ID:39840					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 36-inch concrete irrigation pipe through the					
levee 0.5-feet below the crown. Concrete canal and distribution struture					
on LS shoulder.					
FS Date: 10/2/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	11/24/2014 11/24/2014	Bob Duffey

LM Start	0.18	Rating **	M	Issue No.	23
LM End	0.18	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.973285 °	39.973285 °
				-121.983531 °	-121.983531 °
DWR ID	DWR_NA0019_01_f_2014_23				
Action/Comments					
Inspector Comments: FS_ID:39838					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 24-inch concrete irrigation pipe through the					
levee 2-feet below the crown. Concrete canal and distribution struture					
on LS shoulder. Concrete U-shaped headwall and flapgate on WS toe.					
FS Date: 10/2/2013					

No Photos

LM Start	0.41	Rating **	M	Issue No.	18
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.972560 °	39.972560 °
				-121.987759 °	-121.987759 °
DWR ID	DWR_NA0019_01_s_2013_18				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : FA_2014_NA0019_78_18_20141013_00010.jpg



View of the erosion along the landside slope.

LM Start	0.46	Rating **	M	Issue No.	276
LM End	0.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.972377 °	39.972377 °
				-121.988559 °	-121.988559 °
DWR ID	DWR_NA0019_01_s_2014_276				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2014_NA0019_78_276_20141013_00015.jpg



View of the erosion along the waterside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	11/24/2014 11/24/2014	Bob Duffey

LM Start	0.48	Rating **	M	Issue No.	19
LM End	0.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.972339 °	39.972339 °
				-121.988763 °	-121.988763 °
DWR ID	DWR_NA0019_01_s_2013_19				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : FA_2014_NA0019_78_19_20141013_00011.jpg



View of the erosion along the landside slope.

LM Start	0.50	Rating **	M	Issue No.	24
LM End	0.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.972280 °	39.972280 °
				-121.989227 °	-121.989227 °
DWR ID	DWR_NA0019_01_f_2014_24				
Action/Comments					
Inspector Comments: FS_ID:39839					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for crossing.					
FIELD_STRUCT_DESC: 20-inch concrete irrigation pipe through the					
levee 2-feet below the crown. Concrete canal and distribution struture					
with slat boards on LS shoulder.					
FS Date: 10/2/2013					

No Photos

LM Start	1.53	Rating **	M	Issue No.	21
LM End	1.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.969419 °	39.969419 °
				-122.007850 °	-122.007850 °
DWR ID	DWR_NA0019_01_f_2013_21				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					

Photo 1 of 1 : FA_2014_NA0019_78_21_20141013_00013.jpg



View of the erosion cause from livestock on both slope of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	11/24/2014 11/24/2014	Bob Duffey

LM Start	1.67	Rating **	M	Issue No.	277
LM End	1.67	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.968654 °	39.968654 °
				-122.010207 °	-122.010207 °
DWR ID	DWR_NA0019_01_s _ 2014_277				
Action/Comments					
Tree or limb					

Photo 1 of 1 : FA_2014_NA0019_78_277_20141013_00016.jpg



View of the trees limbs along the waterside toe.

LM Start	1.69	Rating **	U	Issue No.	25
LM End	1.69	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.968642 °	39.968642 °
				-122.010494 °	-122.010494 °
DWR ID	DWR_NA0019_01_f _ 2014_25				
Action/Comments					
Inspector Comments: FS_ID:21729					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Flapgate blocked by soil buildup.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee 1.5-feet below the crown. Flap gate on the WS toe. Originally included in O+M manual (1957). As-built drawings available 50-4-2394.					
FS Date: 10/2/2013					

No Photos

LM Start	1.89	Rating **	M	Issue No.	26
LM End	1.89	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.969156 °	39.969156 °
				-122.013809 °	-122.013809 °
DWR ID	DWR_NA0019_01_f _ 2014_26				
Action/Comments					
Inspector Comments: FS_ID:39837					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 4-inch steel conduit through the levee at an unknown depth. Junction box off LS toe next to JP and roadway.					
Conduit visible on upstream side of bridge at Deer Creek crossing.					
FS Date: 10/2/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	11/24/2014 11/24/2014	Bob Duffey

LM Start	1.90	Rating **	U	Issue No.	27
LM End	1.90	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.969105 °	39.969105 °
				-122.014028 °	-122.014028 °
DWR ID	DWR_NA0019_01_f_2014_27				
Action/Comments					
Inspector Comments: FS_ID:21730 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Flapgate missing or burried on WS toe. Pipe partially blocked by soil on WS toe. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 7-feet below the crown. Flap gate on the waterward end. 5'X5' concrete control structure on LS toe. Originally included in O+M manual (1957). As-built drawings available 50-4-2394. FS Date: 10/2/2013					

No Photos

LM Start	2.04	Rating **	M	Issue No.	2
LM End	2.23	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.968387 °	39.966968 °
				-122.016387 °	-122.019372 °
DWR ID	DWR_NA0019_01_s_2012_2				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2014_NA0019_78_2_20141013_00001.jpg



Remove agricultural ditch from toe of levee.

LM Start	2.31	Rating **	M	Issue No.	3
LM End	3.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.967015 °	°
				-122.020781 °	°
DWR ID	DWR_NA0019_01_f_2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2014_NA0019_78_3_20141013_00002.jpg



View of the vegetation along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	11/24/2014 11/24/2014	Bob Duffey

LM Start	2.50	Rating **	M	Issue No.	7
LM End	2.58	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.967016 °	39.966455 °
				-122.024068 °	-122.025531 °
DWR ID	DWR_NA0019_01_s_2012_7				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

LM Start	2.59	Rating **	M	Issue No.	28
LM End	2.59	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.966363 °	39.966363 °
				-122.025755 °	-122.025755 °
DWR ID	DWR_NA0019_01_f_2014_28				
Action/Comments					
Inspector Comments: FS_ID:22823					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Headwall covered with soil. Needs to be cleared at both ends.					
FIELD_STRUCT_DESC: 24-inch Corrugated mtl pipe through the levee 5-feet below the crown. Calco automatic drainage gate.					
Originally included in O+M manual (1957). As-built drawings available 50-4-2394.					
FS Date: 10/2/2013					

No Photos

LM Start	2.64	Rating **	A	Issue No.	37
LM End	2.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.965932 °	39.965932 °
				-122.026705 °	-122.026705 °
DWR ID	DWR_NA0019_01_f_2014_37				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_NA0019_78_37_20141126_00026.jpg



View of the controlled vegetation on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

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Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	11/24/2014 11/24/2014	Bob Duffey

LM Start	2.72	Rating **	M	Issue No.	8
LM End	2.76	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.965434 °	39.965180 °
				-122.027776 °	-122.028331 °
DWR ID	DWR_NA0019_01_s_2012_8				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					

Photo 1 of 1 : FA_2014_NA0019_78_8_20141013_00003.jpg



Erosion on crown and both slopes.

LM Start	2.88	Rating **	M	Issue No.	38
LM End	2.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.963928 °	39.963928 °
				-122.030120 °	-122.030120 °
DWR ID	DWR_NA0019_01_f_2014_38				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2014_NA0019_78_38_20141126_00027.jpg



View of erosion from the cattle on both slopes.

LM Start	2.88	Rating **	M	Issue No.	29
LM End	2.88	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.963938 °	39.963938 °
				-122.030128 °	-122.030128 °
DWR ID	DWR_NA0019_01_f_2014_29				
Action/Comments					
Inspector Comments: FS_ID:22824					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe blocked by soil.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee 6-feet below the crown. Flap gate on the waterward end. Originally included in O+M manual (1957). As-built drawings available 50-4-2394.					
FS Date: 10/2/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	11/24/2014 11/24/2014	Bob Duffey

LM Start	2.90	Rating **	M	Issue No.	20
LM End	2.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.963709 °	39.963709 °
				-122.030384 °	-122.030384 °
DWR ID	DWR_NA0019_01_s_2013_20				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2014_NA0019_78_20_20141013_00012.jpg



View of the erosion along the landside slope.

LM Start	2.98	Rating **	M	Issue No.	1
LM End	3.00	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.962910 °	39.962724 °
				-122.031421 °	-122.031670 °
DWR ID	DWR_NA0019_01_f_2014_1				
Action/Comments					
Inspector Comments: 2006 - Erosion along outer bank of a meandering bend that is getting close to the projection of the levee toe. Trees are leaning out into the channel and ready to fall. Whole bank in reach is actively eroding. 2011 - New erosion pocket caused by an eddy. The Deer Creek Watershed Conservation Group is planning a reach-wide repair for Deer Creek. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: DEC_2-4_L]					

No Photos

LM Start	3.31	Rating **	M	Issue No.	30
LM End	3.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.947484 °	39.947484 °
				-122.049011 °	-122.049011 °
DWR ID	DWR_NA0019_01_f_2014_30				
Action/Comments					
Inspector Comments: FS_ID:22825					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Pipe buried. Water flows to low spot and dissappears, but pipe not visible.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee 8-feet below the crown, flap gate on waterward end. Originally included in O+M manual (1957). As-built drawing No. 50-4-2394.					
FS Date: 10/2/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	11/24/2014 11/24/2014	Bob Duffey

LM Start	3.60	Rating **	M	Issue No.	31
LM End	3.60	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.945964 °	39.945964 °
				-122.054229 °	-122.054229 °
DWR ID	DWR_NA0019_01_f_2014_31				
Action/Comments					
Inspector Comments: FS_ID:23007					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 48-inch corrugated metal drainpipe through the levee, 6-feet below the crown. Flap gate on the waterward end.					
FS Date: 10/3/2013					

No Photos

LM Start	3.61	Rating **	M	Issue No.	32
LM End	3.61	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.945952 °	39.945952 °
				-122.054259 °	-122.054259 °
DWR ID	DWR_NA0019_01_f_2014_32				
Action/Comments					
Inspector Comments: FS_ID:39836 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. Brush should be removed from flapgate outlet. FIELD_STRUCT_DESC: 48-inch corrugated metal drainpipe through the levee, 6-feet below the crown. Flap gate on the waterward end. FS Date: 10/3/2013					

No Photos

LM Start	3.61	Rating **	M	Issue No.	33
LM End	3.61	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.945928 °	39.945928 °
				-122.054305 °	-122.054305 °
DWR ID	DWR_NA0019_01_f_2014_33				
Action/Comments					
Inspector Comments: FS_ID:23009					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Flapgate does not fully close. Needs brush cleared away from outlet.					
FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 7-feet below the crown. Flap gate on the waterward end.					
Concrete headwall on LS toe.					
FS Date: 10/3/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	11/24/2014 11/24/2014	Bob Duffey

Photo 1 of 1 : FA_2014_NA0019_78_9_20141013_00004.jpg



View of the non-permitted gate on the crown of the levee.

Photo 1 of 1 : FA_2014_NA0019_78_15_20141013_00007.jpg



View of the erosion caused by livestock along the landside slope.

Photo 1 of 1 : FA_2014_NA0019_78_11_20141013_00006.jpg



No flap gate on 18 inch pipe going to the levee.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	11/24/2014 11/24/2014	Bob Duffey

LM Start	3.74	Rating **	M	Issue No.	10
LM End	3.74	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.944432 °	39.944432 °
				-122.054029 °	-122.054029 °
DWR ID	DWR_NA0019_01_s_2012_10				
Action/Comments					
Fence					

Photo 1 of 1 : FA_2014_NA0019_78_10_20141013_00005.jpg



View of the non-permitted gate on the crown roadway.

LM Start	3.74	Rating **	M	Issue No.	16
LM End	3.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.944456 °	39.944456 °
				-122.053932 °	-122.053932 °
DWR ID	DWR_NA0019_01_f_2012_16				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2014_NA0019_78_16_20141013_00008.jpg



View of the ditch along the waterside toe.

LM Start	3.75	Rating **	M	Issue No.	34
LM End	3.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.944460 °	39.944460 °
				-122.053930 °	-122.053930 °
DWR ID	DWR_NA0019_01_f_2014_34				
Action/Comments					
Inspector Comments: FS_ID:23094					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Erosion on WS toe.					
FIELD_STRUCT_DESC: 12-inch concrete stormdrain pipe, through the levee, 2-feet below the crown.					
FS Date: 10/3/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	11/24/2014 11/24/2014	Bob Duffey

LM Start	3.75	Rating **	M	Issue No.	35
LM End	3.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.944426 °	39.944426 °
				-122.054045 °	-122.054045 °
DWR ID	DWR_NA0019_01_f_2014_35				
Action/Comments					
Inspector Comments: FS_ID:23092					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Outlet substantially blocked at WS toe. No permit identified for this crossing.					
FIELD_STRUCT_DESC: 10-inch concrete irrigation pipe through the levee 2.0-feet below the crown. Slide gate at terminal end of concrete channel on LS shoulder.					
FS Date: 10/3/2013					

No Photos

LM Start	3.79	Rating **	M	Issue No.	5
LM End	3.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.944135 °	39.944135 °
				-122.054788 °	-122.054788 °
DWR ID	DWR_NA0019_01_s_2012_5				
Action/Comments					
Prunings					

No Photos

LM Start	4.10	Rating **	U	Issue No.	36
LM End	4.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.941002 °	39.941002 °
				-122.058711 °	-122.058711 °
DWR ID	DWR_NA0019_01_f_2014_36				
Action/Comments					
Inspector Comments: FS_ID:21743					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Gate missing from WS toe.					
FIELD_STRUCT_DESC: 24-inch CMP drain pipe through the levee 5.5-					
feet below the crown. Flap gate on the waterward end. Originally					
included in O+M manual (1957). As-built drawing No. 50-4-2394.					
FS Date: 10/3/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 02 Deer Creek			Right	1.89
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/26/2014 - 03/26/2014		11/24/2014 - 11/24/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Brandon Konicke Tehama County		Brandon Konicke Tehama County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	11/24/2014 11/24/2014	Bob Duffey

LM Start	0.31	Rating **	M	Issue No.	2
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970305 °	39.970305 °
				-122.014465 °	-122.014465 °
DWR ID	DWR_NA0019_02_s_2012_2				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2014_NA0019_79_2_20141013_00001.jpg



View of debris & wire at toe of levee.

LM Start	0.31	Rating **	M	Issue No.	9
LM End	0.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.970256 °	39.970256 °
				-122.014471 °	-122.014471 °
DWR ID	DWR_NA0019_02_f _ 2014_9				
Action/Comments					
Inspector Comments: FS_ID:40789					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 4-inch galvanized iron communication conduit through the levee at an unknown depth. Pipe visible on upstream side of bridge.					
FS Date: 10/2/2013					

No Photos

LM Start	0.34	Rating **	M	Issue No.	4
LM End	0.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970210 °	39.970210 °
				-122.015198 °	-122.015198 °
DWR ID	DWR_NA0019_02_s_2012_4				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2014_NA0019_79_4_20141013_00003.jpg



View of the concrete pile along the W/S toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	11/24/2014 11/24/2014	Bob Duffey

LM Start	0.36	Rating **	M	Issue No.	7
LM End	0.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970117 °	39.970117 °
				-122.015365 °	-122.015365 °
DWR ID	DWR_NA0019_02_s_2012_7				
Action/Comments					
Building					

Photo 1 of 1 : FA_2014_NA0019_79_7_20141013_00005.jpg



View of building at toe of levee.

LM Start	0.70	Rating **	M	Issue No.	10
LM End	0.70	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.968818 °	39.968818 °
				-122.020904 °	-122.020904 °
DWR ID	DWR_NA0019_02_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:21704					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Debris blocking proper function of flapgate on WS toe.					
FIELD_STRUCT_DESC: 24-inch pipe through the levee, 8.3 feet below the crown. Flap gate on the waterward end. Originally included in O+M manual (1957). As-builts drawing 50-4-2394.					
FS Date: 10/1/2013					

No Photos

LM Start	0.80	Rating **	A	Issue No.	11
LM End	0.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.968652 °	39.968652 °
				-122.022925 °	-122.022925 °
DWR ID	DWR_NA0019_02_f_2014_11				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_NA0019_79_11_20141126_00007.jpg



View of controlled vegetation on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2014

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	11/24/2014 11/24/2014	Bob Duffey

No Photos

Photo 1 of 1 : FA_2014_NA0019_79_6_20141013_00004.jpg



Remove all firewood from the waterside slope.

Photo 1 of 1 : FA_2014_NA0019_79_3_20141013_00002.jpg



View of the debris along the waterside slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 04 Elder Creek			Left	3.98
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/26/2014 - 03/26/2014		11/24/2014 - 11/24/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Brandon Konicke Tehama County		Brandon Konicke Tehama County	

Summer & Winter Inspections

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- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	11/24/2014 11/24/2014	Bob Duffey

LM Start	0.65	Rating **	M	Issue No.	13
LM End	0.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			40.051702 °	40.051702 °
				-122.177308 °	-122.177308 °
DWR ID	DWR_NA0019_04_f_2014_13				
Action/Comments					
Inspector Comments: FS_ID:21791					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Flapgate operation hindered by soil and vegetation on WS toe.					
FIELD_STRUCT_DESC: 2 of 2: 36-inch CM drain pipe through levee, 8.6 feet below crown. Flap gate and concrete "U" headwall on waterward end. Concrete "U" headwall on landward end. Originally included in USACE O+M manual (1963). As-built drawing No. 50-4-3622.					
FS Date: 10/3/2013					

No Photos

LM Start	1.40	Rating **	M	Issue No.	16
LM End	1.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.051493 °	40.051493 °
				-122.164935 °	-122.164935 °
DWR ID	DWR_NA0019_04_f_2014_16				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2014_NA0019_81_16_20141126_00015.jpg



View of the vehicle erosion along the waterside slope.

LM Start	1.41	Rating **	C	Issue No.	8
LM End	1.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			40.051517 °	40.051517 °
				-122.164850 °	-122.164850 °
DWR ID	DWR_NA0019_04_s_2013_8				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	11/24/2014 11/24/2014	Bob Duffey

LM Start	1.44	Rating **	M	Issue No.	9
LM End	1.51	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			40.051596 °	40.051979 °
				-122.164179 °	-122.163106 °
DWR ID	DWR_NA0019_04_f_2014_9				
Action/Comments					
Inspector Comments: 2006 - High vertical bank due to mass failures. Thalweg meandering and erosion of bank. Banks are cohesive with non-cohesive gravel horizons. 2011 - Foundation is silty-sand with gravel. New slumping at the toe, mass failure continues. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: ELC_1-4_L]					

No Photos

LM Start	1.60	Rating **	M	Issue No.	3
LM End	1.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052607 °	40.053558 °
				-122.161418 °	-122.159903 °
DWR ID	DWR_04_s_2012_3				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comments: Tehama Co. repaired the slope that was damaged by vehicle traffic, but the damage has returned.					

Photo 1 of 1 : FA_2014_NA0019_81_3_20141013_00003.jpg



View of the levee slope damaged by vehicle traffic.

LM Start	2.25	Rating **	M	Issue No.	14
LM End	2.25	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			40.052063 °	40.052063 °
				-122.150450 °	-122.150450 °
DWR ID	DWR_NA0019_04_f_2014_14				
Action/Comments					
Inspector Comments: FS_ID:23051					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: Fiber optic line through the levee at an unknown depth below the crown. Signage on LS visible.					
FS Date: 10/3/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	11/24/2014 11/24/2014	Bob Duffey

LM Start	2.32	Rating **	M	Issue No.	18
LM End	2.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052415 °	40.052415 °
				-122.149208 °	-122.149208 °
DWR ID	DWR_NA0019_04_s_2012_18				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2014_NA0019_81_18_20141013_00009.jpg



View of the vehicle erosion along the L/S slope.

LM Start	2.33	Rating **	M	Issue No.	15
LM End	2.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			40.052379 °	40.052379 °
				-122.149534 °	-122.149534 °
DWR ID	DWR_NA0019_04_f_2014_15				
Action/Comments					
Inspector Comments: FS_ID:23045					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 4-inch gasline through the levee 3.5-feet					
below the crown. Pipe visible on upstream side of bridge.					
FS Date: 10/3/2013					

No Photos

LM Start	2.34	Rating **	M	Issue No.	12
LM End	2.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052443 °	40.052443 °
				-122.148863 °	-122.148863 °
DWR ID	DWR_NA0019_04_f_2013_12				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2014_NA0019_81_12_20141013_00008.jpg



View of the vehicle erosion along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	11/24/2014 11/24/2014	Bob Duffey

LM Start	2.46	Rating **	M	Issue No.	20
LM End	2.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052417 °	40.052417 °
				-122.146747 °	-122.146747 °
DWR ID	DWR_NA0019_04_s _ 2012_20				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2014_NA0019_81_20_20141013_00010.jpg



View of the vehicle erosion along the L/S slope.

LM Start	2.53	Rating **	M	Issue No.	2
LM End	2.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052872 °	40.052872 °
				-122.145495 °	-122.145495 °
DWR ID	DWR_NA0019_04_s _ 2012_2				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2014_NA0019_81_2_20141013_00002.jpg



View of the vehicle erosion along the L/S slope.

LM Start	2.66	Rating **	M	Issue No.	4
LM End	2.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.054352 °	40.054352 °
				-122.144245 °	-122.144245 °
DWR ID	DWR_NA0019_04_s _ 2012_4				
Action/Comments					
Debris					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	11/24/2014 11/24/2014	Bob Duffey

LM Start	2.82	Rating **	M	Issue No.	916
LM End	2.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.055033 °	40.055595 °
				-122.141457 °	-122.141203 °
DWR ID	DWR_NA0019_04_s_2012_916				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

LM Start	3.02	Rating **	C	Issue No.	5
LM End	3.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			40.056514 °	40.056514 °
				-122.139449 °	-122.139449 °
DWR ID	DWR_NA0019_04_s_2012_5				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	3.03	Rating **	M	Issue No.	10
LM End	3.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.056388 °	40.056388 °
				-122.139168 °	-122.139168 °
DWR ID	DWR_NA0019_04_s_2012_10				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	11/24/2014 11/24/2014	Bob Duffey

LM Start	3.42	Rating **	M	Issue No.	11
LM End	3.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.056595 °	40.055527 °
				-122.133547 °	-122.130223 °
DWR ID	DWR_NA0019_04_s _ 2013_11				
Action/Comments					
Ditch					

Photo 1 of 1 : FA_2014_NA0019_81_11_20141013_00007.jpg



View of the ditch along landside toe.

LM Start	3.72	Rating **	M	Issue No.	7
LM End	3.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.055920 °	40.055945 °
				-122.128948 °	-122.128310 °
DWR ID	DWR_NA0019_04_s _ 2012_7				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 05 Elder Creek			Right	3.87
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	03/26/2014 - 03/26/2014		11/24/2014 - 11/24/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Brandon Konicke Tehama County		Brandon Konicke Tehama County	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	11/24/2014 11/24/2014	Bob Duffey

LM Start	0.42	Rating **	M	Issue No.	1
LM End	0.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			40.050668 °	40.050668 °
				-122.184588 °	-122.184588 °
DWR ID	DWR_NA0019_05_f_2013_1				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2014_NA0019_82_1_20141013_00001.jpg



View of the rodent holes along the landside slope.

LM Start	0.51	Rating **	M	Issue No.	13
LM End	0.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			40.050585 °	40.050585 °
				-122.182972 °	-122.182972 °
DWR ID	DWR_NA0019_05_f_2014_13				
Action/Comments					
Inspector Comments: FS_ID:21746					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Debris inside pipe at WS toe needs to be removed as it may prevent proper operation of the flapgate.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 5.2 feet below the crown. Flap gate on waterward end. Concrete "U" headwalls on the waterward and landward ends. Originally included in USACE O+M Manual (1963). As-built drawing 50-4-3622					
FS Date: 10/3/2013					

No Photos

LM Start	0.81	Rating **	M	Issue No.	16
LM End	0.81	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.050688 °	40.050688 °
				-122.177458 °	-122.177458 °
DWR ID	DWR_NA0019_05_f_2014_16				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2014_NA0019_82_16_20141126_00010.jpg



View of the prunings along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	11/24/2014 11/24/2014	Bob Duffey

LM Start	0.94	Rating **	M	Issue No.	4
LM End	0.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			40.051237 °	40.051237 °
				-122.175410 °	-122.175410 °
DWR ID	DWR_NA0019_05_s_2013_4				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2014_NA0019_82_4_20141013_00003.jpg



View of the rodent holes along the levee slope.

LM Start	1.61	Rating **	A	Issue No.	17
LM End	1.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.050815 °	40.050815 °
				-122.164358 °	-122.164358 °
DWR ID	DWR_NA0019_05_f_2014_17				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2014_NA0019_82_17_20141126_00011.jpg



View of the controlled vegetation on both slopes.

LM Start	2.47	Rating **	M	Issue No.	14
LM End	2.47	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			40.051336 °	40.051336 °
				-122.149991 °	-122.149991 °
DWR ID	DWR_NA0019_05_f_2014_14				
Action/Comments					
Inspector Comments: FS_ID:23052					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: Underground fiber optic line through the levee at an unknown depth. Sign markers on LS shoulder.					
FS Date: 10/3/2013 9:02:00 AM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	11/24/2014 11/24/2014	Bob Duffey

LM Start	2.53	Rating **	M	Issue No.	15
LM End	2.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			40.051667 °	40.051667 °
				-122.149033 °	-122.149033 °
DWR ID	DWR_NA0019_05_f_2014_15				
Action/Comments					
Inspector Comments: FS_ID:23044					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 4-inch gasline through the levee 2.5-feet					
below the crown. Pipe visible on upstream side of bridge.					
FS Date: 10/3/2013					

No Photos

LM Start	2.55	Rating **	C	Issue No.	5
LM End	2.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			40.051705 °	40.051705 °
				-122.148531 °	-122.148531 °
DWR ID	DWR_NA0019_05_s_2012_5				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	2.57	Rating **	M	Issue No.	8
LM End	2.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			40.051675 °	40.051675 °
				-122.148122 °	-122.148122 °
DWR ID	DWR_NA0019_05_s_2012_8				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2014_NA0019_82_8_20141126_00013.jpg



View of the grouted rodent holes along the landside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	11/24/2014 11/24/2014	Bob Duffey

LM Start	2.70	Rating **	M	Issue No.	2
LM End	2.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.051778 °	40.052243 °
				-122.145745 °	-122.144825 °
DWR ID	DWR_NA0019_05_s_2012_2				
Action/Comments					
Landscaping					

Photo 1 of 1 : FA_2014_NA0019_82_2_20141013_00002.jpg



View of the landscape along the slope.

LM Start	3.08	Rating **	M	Issue No.	3
LM End	3.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			40.054730 °	40.054970 °
				-122.140578 °	-122.140238 °
DWR ID	DWR_NA0019_05_f_2014_3				
Action/Comments					
Inspector Comments: 2006 - Mass failure of this bank due to being along the outside of a bend where erosion and undercutting are the greatest. Low flow is being forced into the toe of this bank by point bar on the opposite side of the creek. 2011 - Toe of the bank continues to be undercut. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: ELC_3-0_R]					

No Photos

LM Start	3.13	Rating **	M	Issue No.	11
LM End	3.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.055632 °	40.055607 °
				-122.138910 °	-122.138868 °
DWR ID	DWR_NA0019_05_s_2012_11				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	11/24/2014 11/24/2014	Bob Duffey

LM Start	3.37	Rating **	M	Issue No.	9
LM End	3.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.056831 °	40.054862 °
				-122.136365 °	-122.129279 °
DWR ID	DWR_NA0019_05_s_2012_9				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

Photo 1 of 1 : FA_2014_NA0019_82_9_20141126_00014.jpg



View of the elderberries along the waterside slope and toe.

LM Start	3.45	Rating **	M	Issue No.	7
LM End	3.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.056727 °	40.056727 °
				-122.134888 °	-122.134888 °
DWR ID	DWR_NA0019_05_s_2012_7				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA_2014_NA0019_82_7_20141013_00005.jpg



View of the erosion along the L/S slope.

LM Start	3.77	Rating **	M	Issue No.	10
LM End	3.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.056922 °	40.054562 °
				-122.136365 °	-122.128345 °
DWR ID	DWR_NA0019_05_s_2012_10				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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